

BY DRAFTSMAN	G. FIG.	
	CLASS	SUBCLASS

Applicant: Holmes et al.
 Serial No.: 09/742,545
 Atty. Dkt. No.: 9D-HR-19396
 Title: REFRIGERATOR - ELECTRONICS ARCHITECTURE
 John S. Beulick; Armstrong Teasdale LLP, One Metropolitan Square,
 St. Louis, MO 63102 (314) 621-5070

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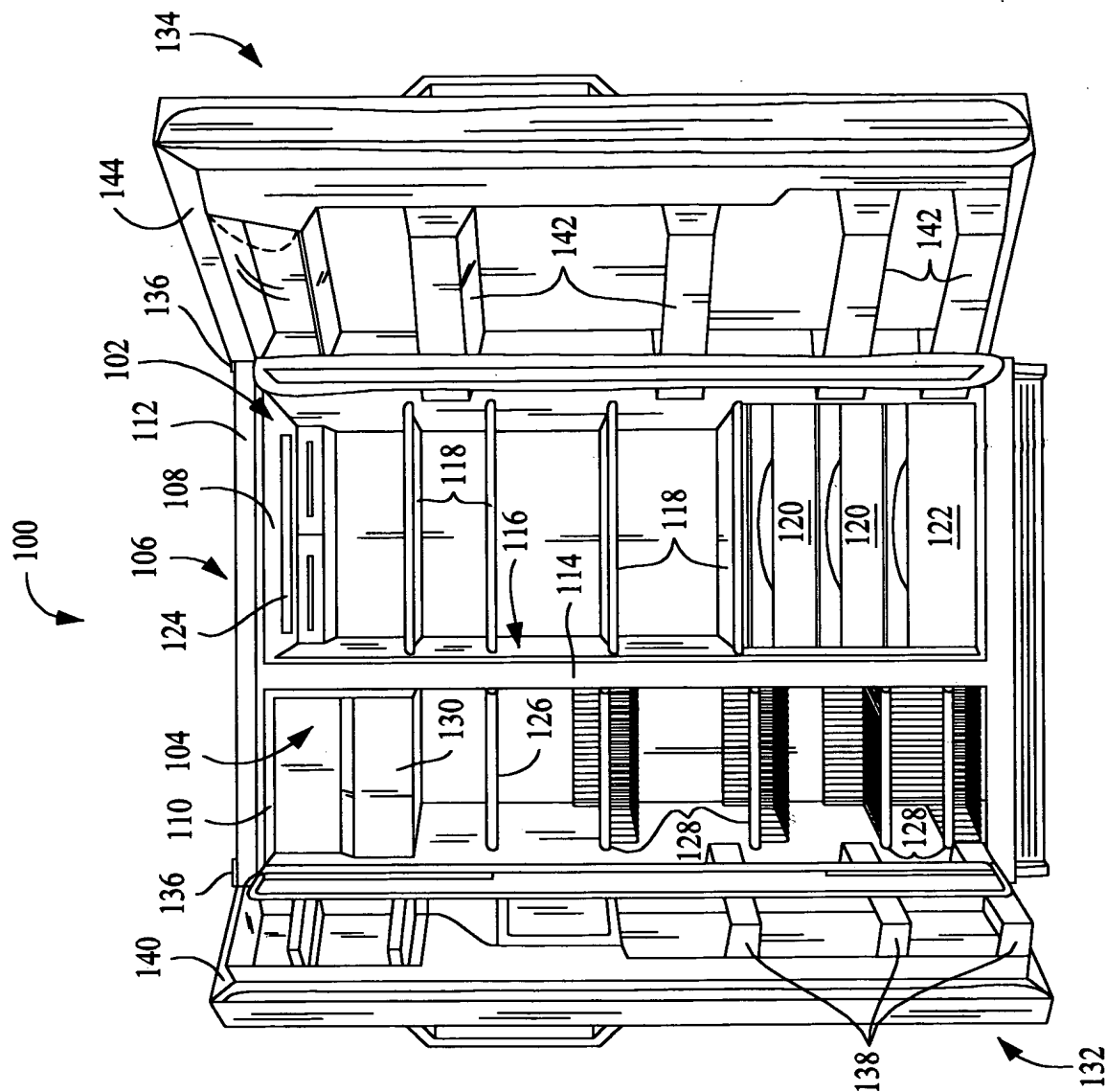


FIG. 1

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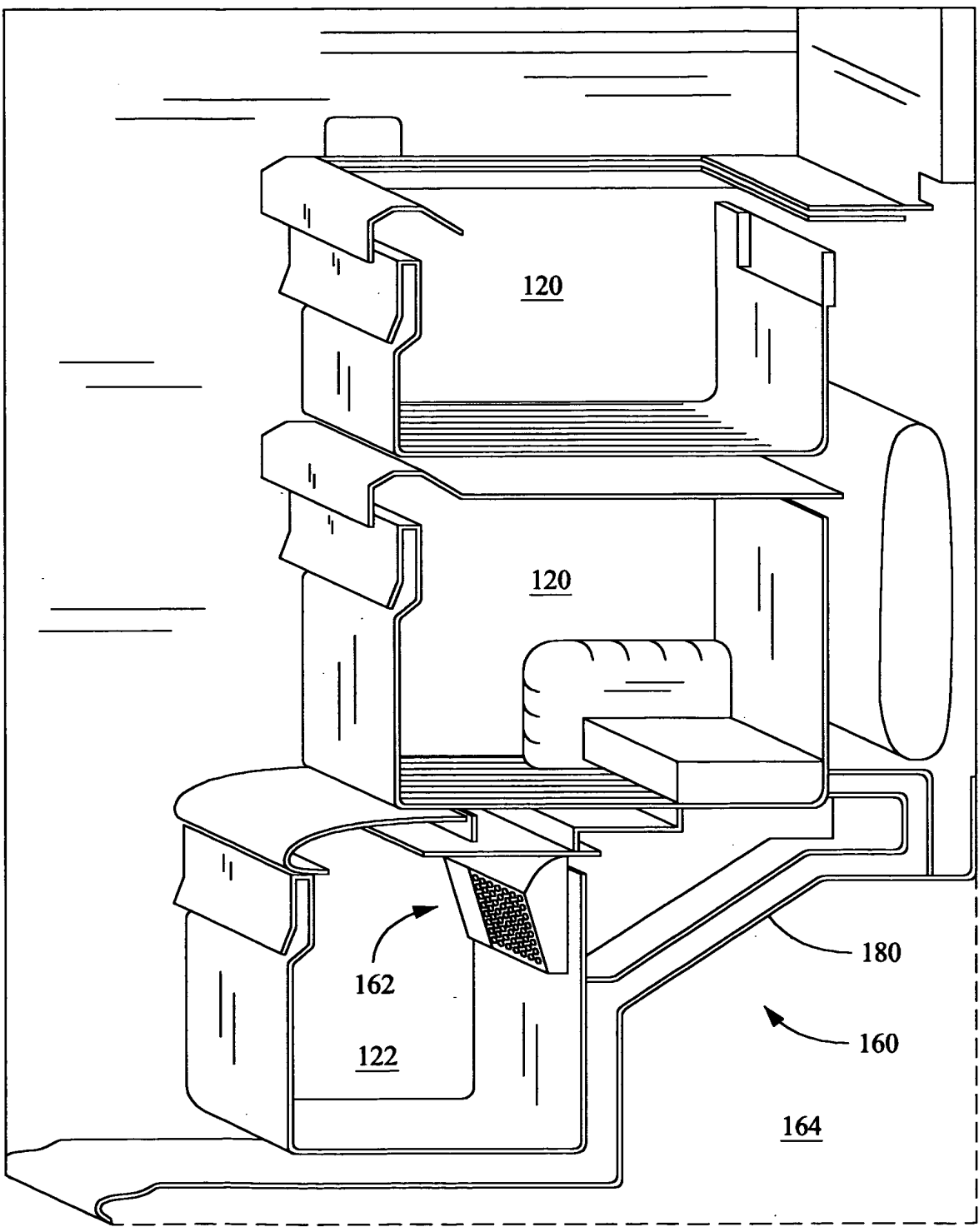


FIG. 2

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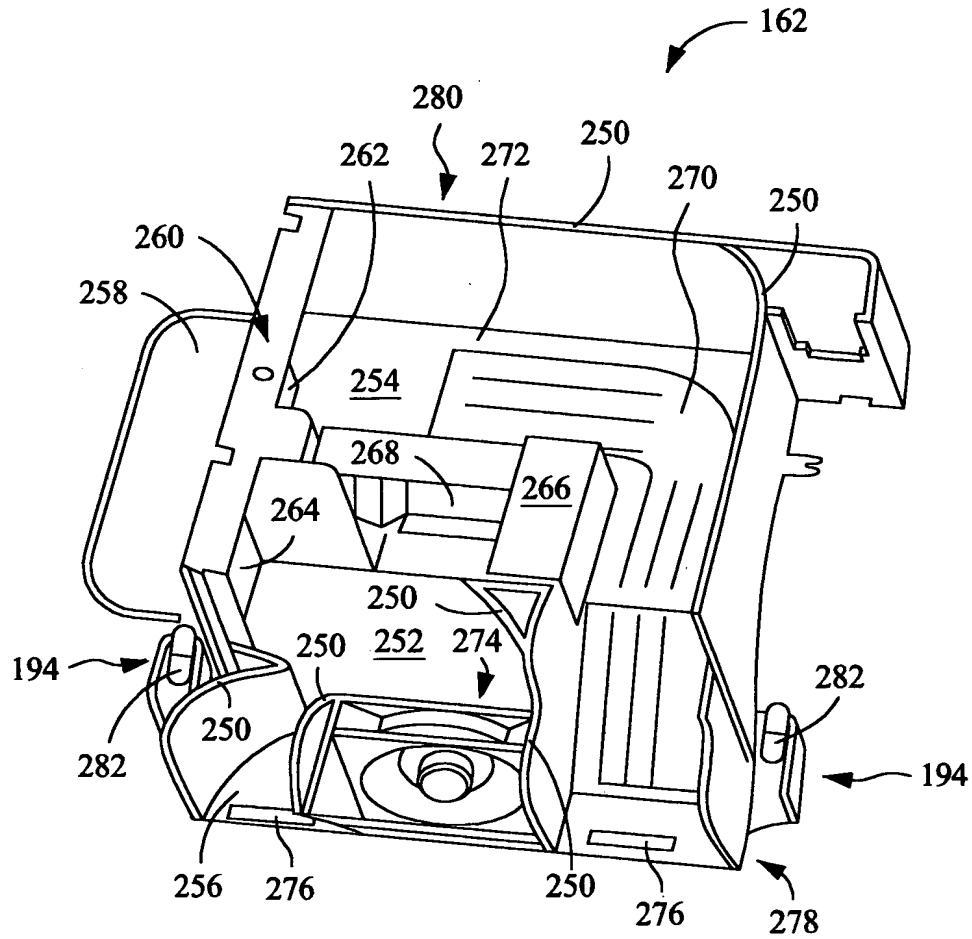


FIG. 4

APPROVED	O.G. FIG.
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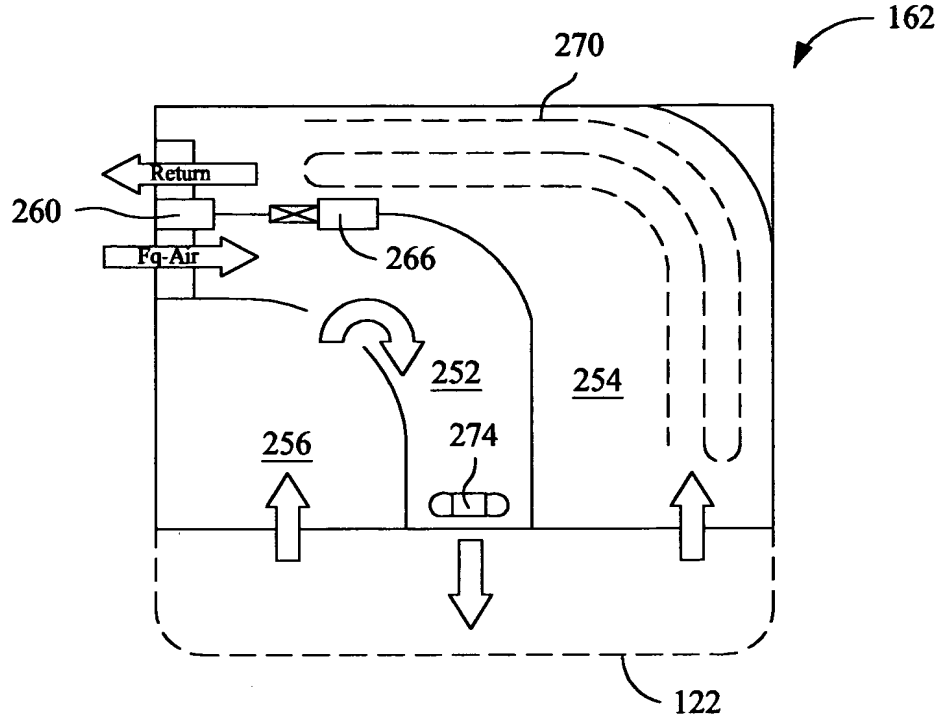


FIG. 5

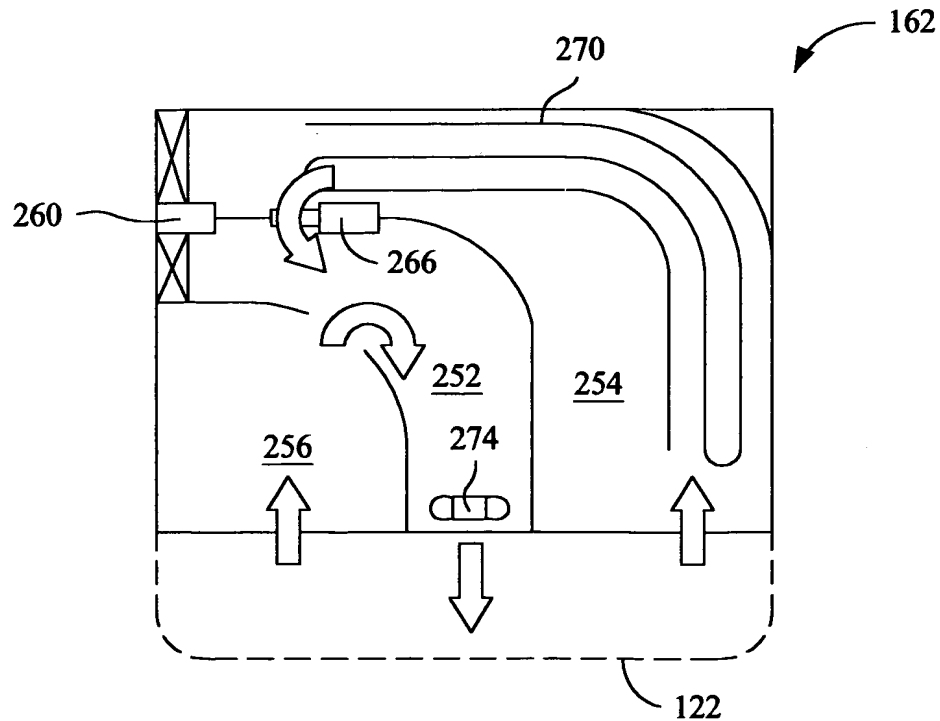


FIG. 6

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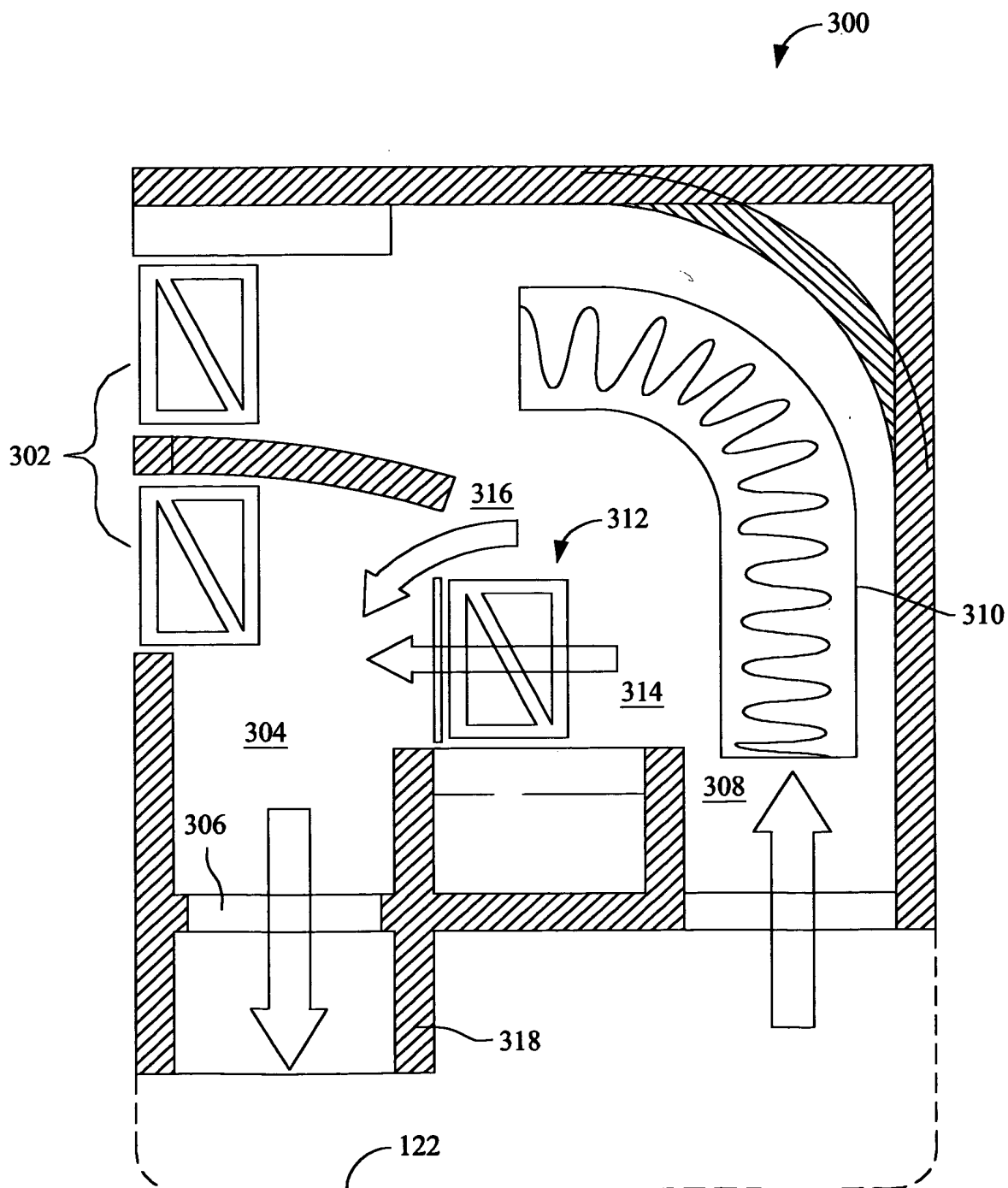


FIG. 7

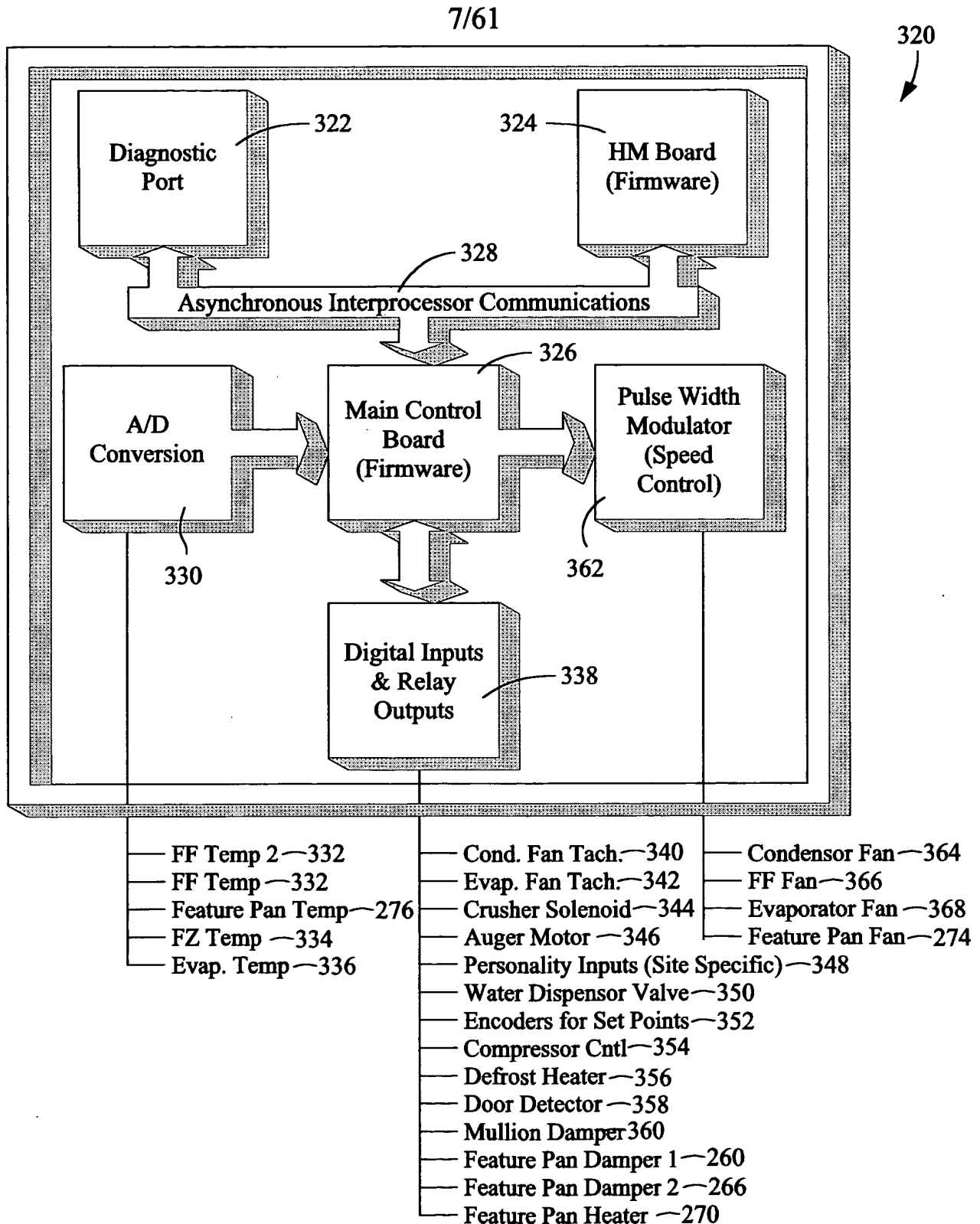


FIG. 8

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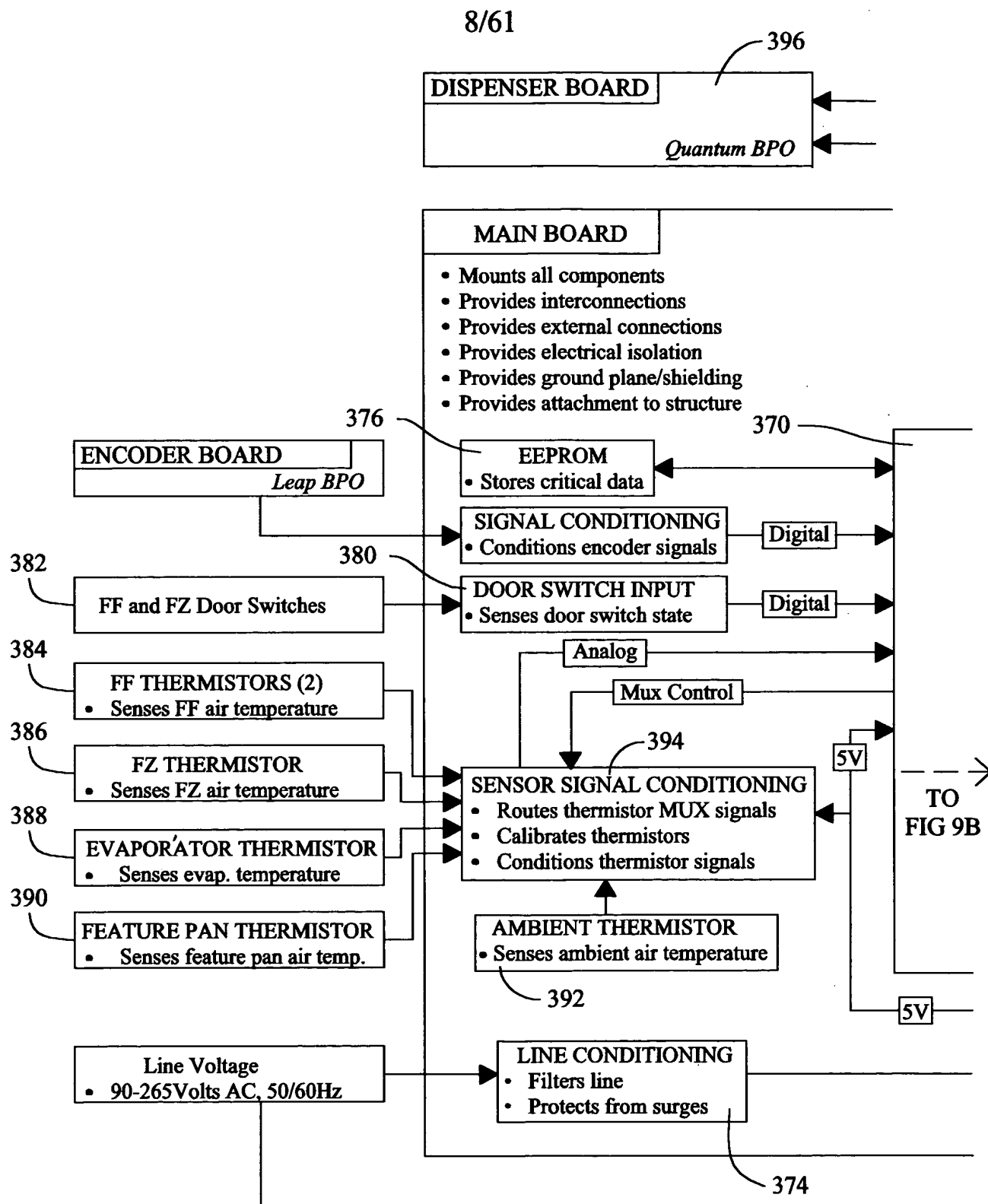
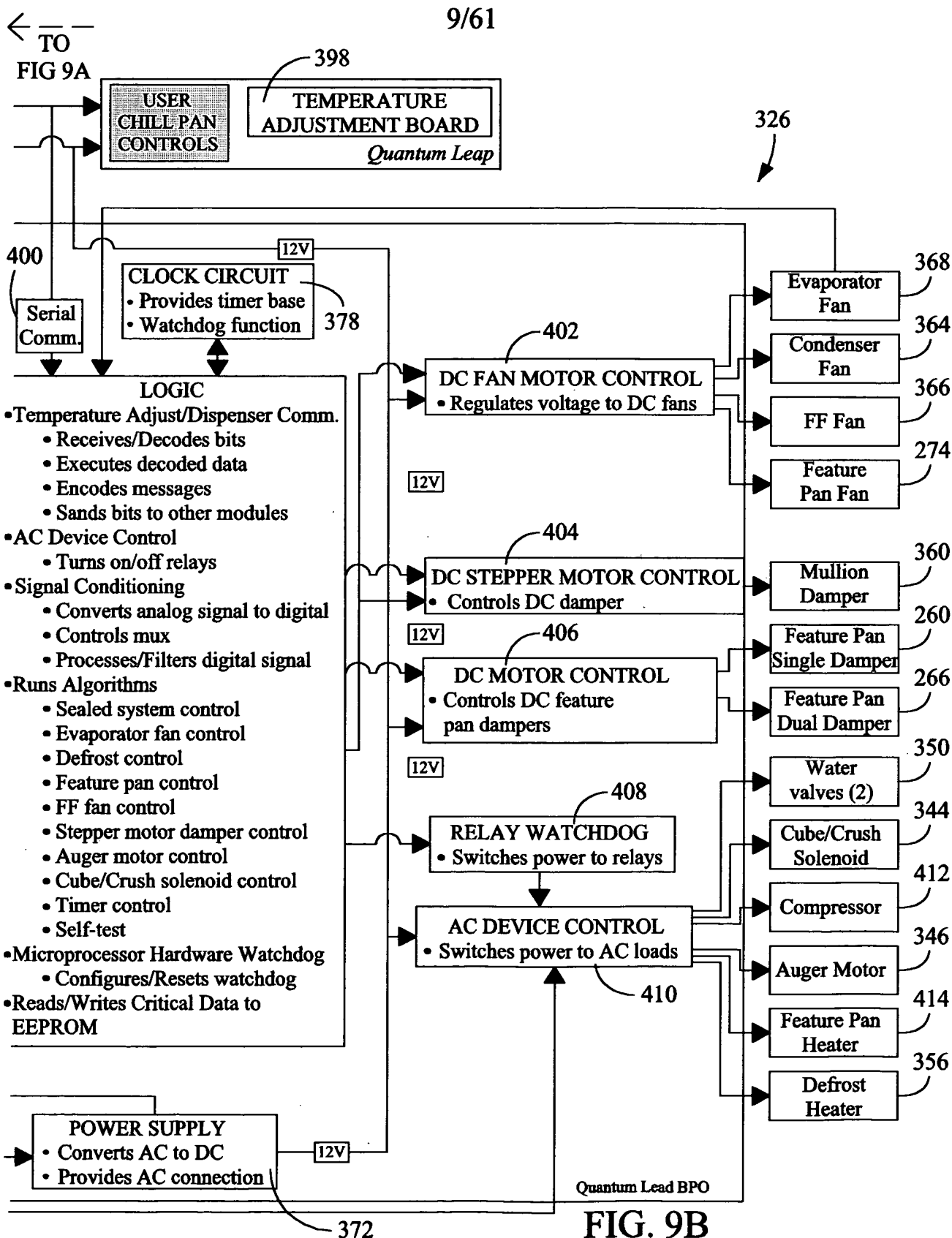


FIG. 9A



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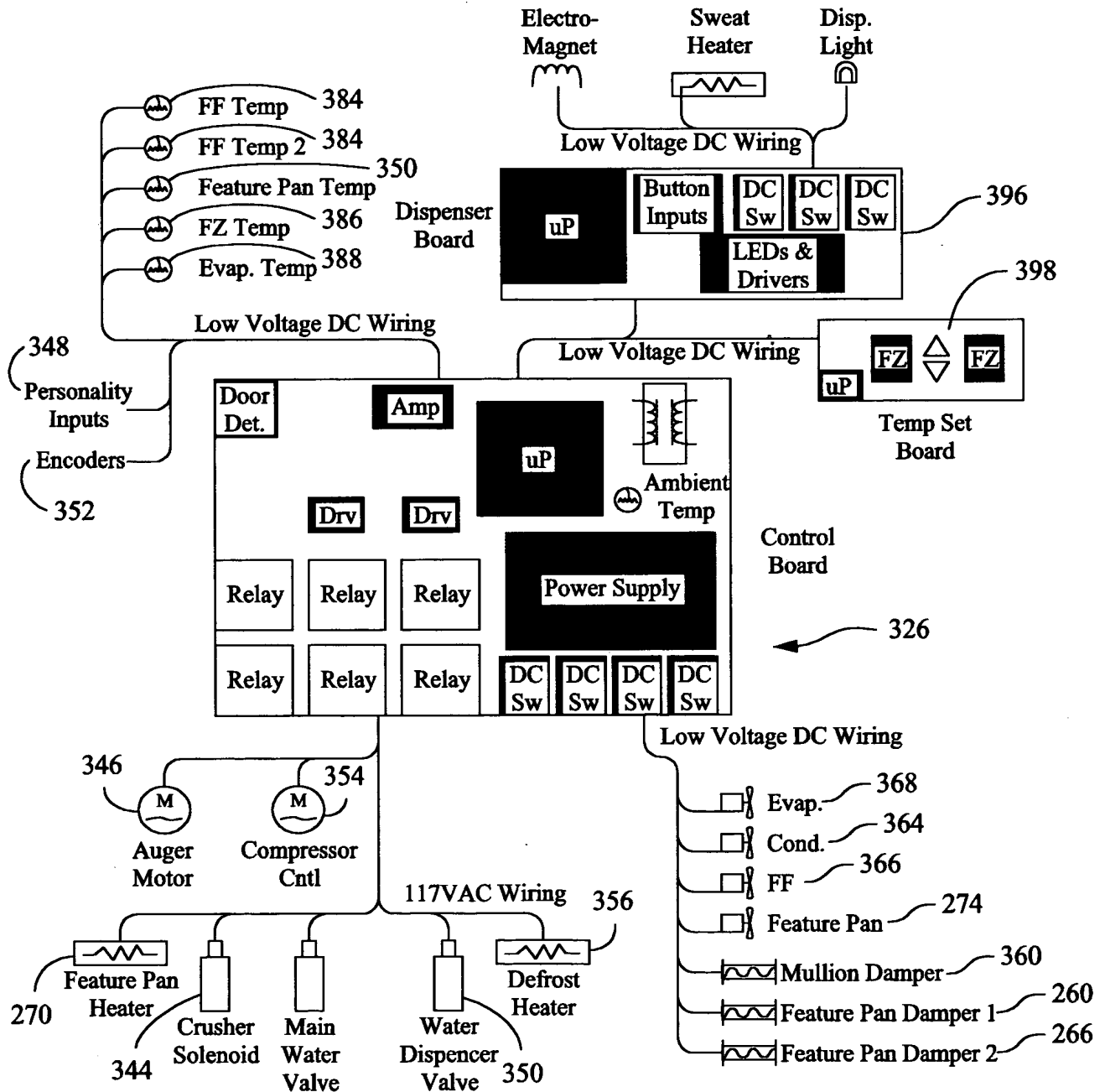


FIG. 10

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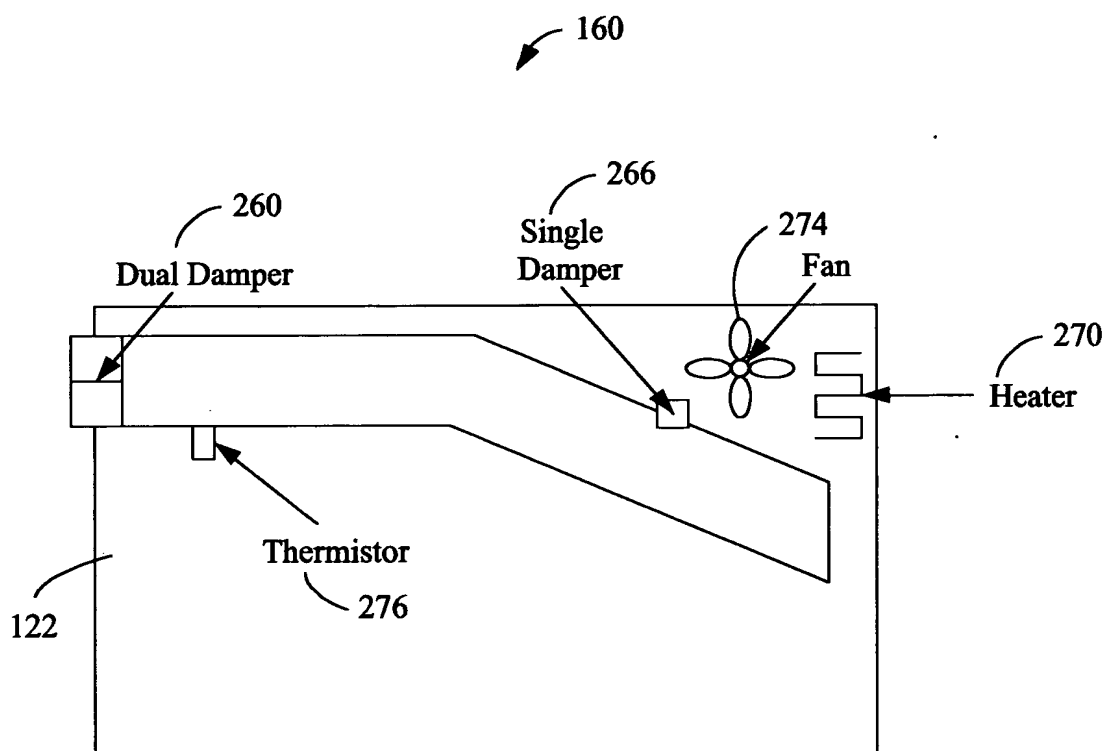


FIG. 11

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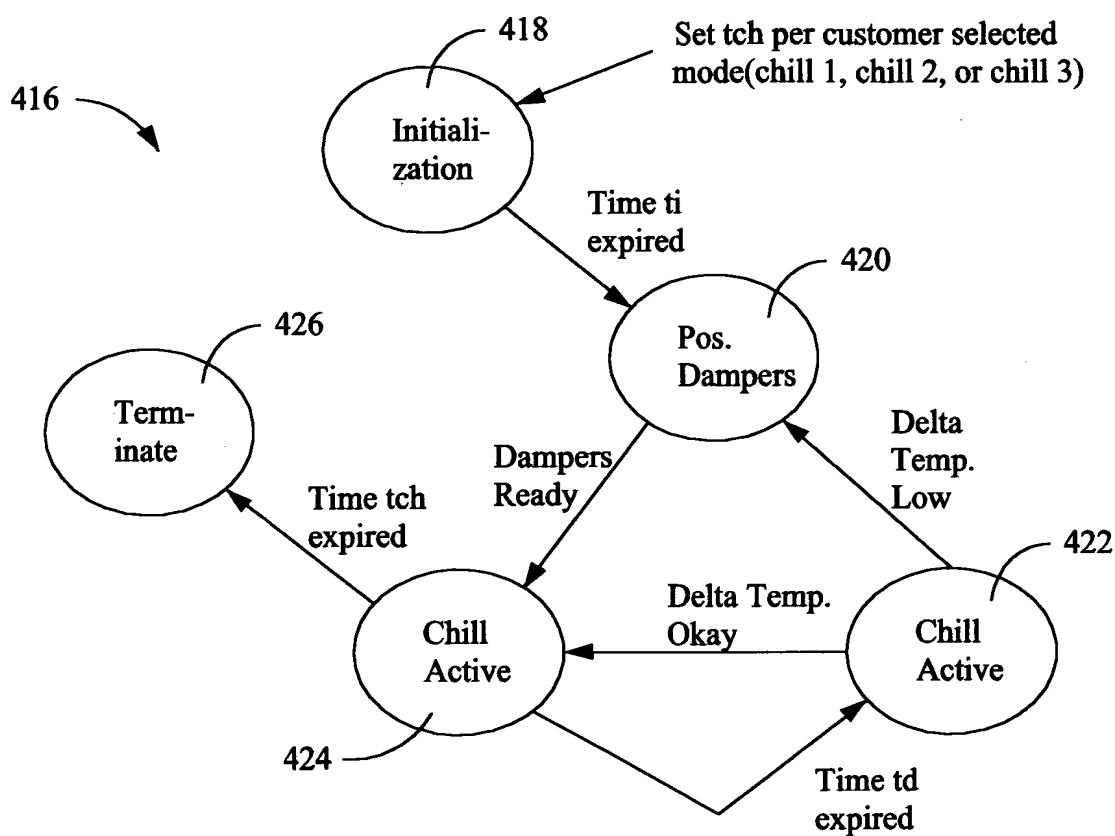
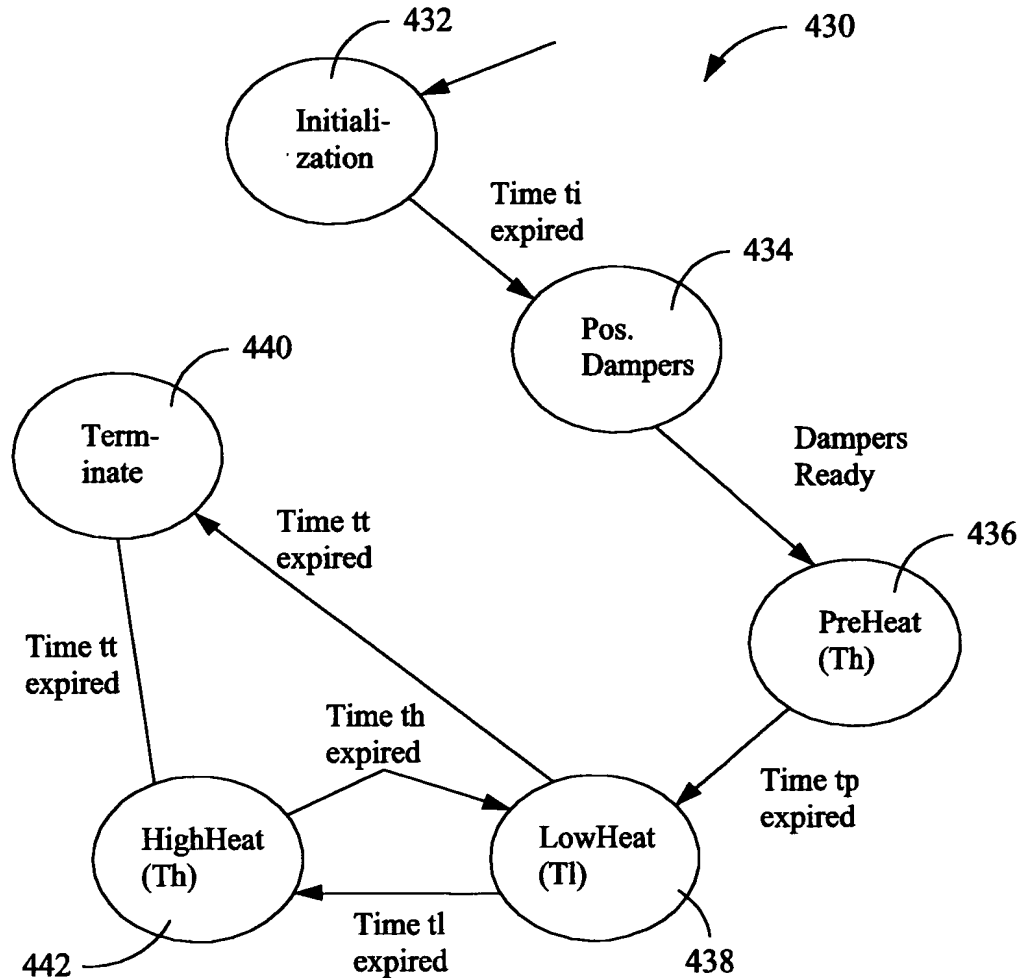


FIG. 12

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Initialization: Shuts off heater and turns on fan. This mode is implemented so that the customer interface LED that is wired in parallel with the fan will turn on as soon as the button is hit. Time ti is the initialization time and will typically be approximately one minute.

Pos. Dampers: This state shuts off the fan, sets the single damper open then closes the dual damper. It then turns the fan back on. This is done for power management

PreHeat: This state regulates the pan temperature

LowHeat

HighHeat:

Terminate: This mode closes both dampers and shuts off the fan then returns to idle.

FIG. 13

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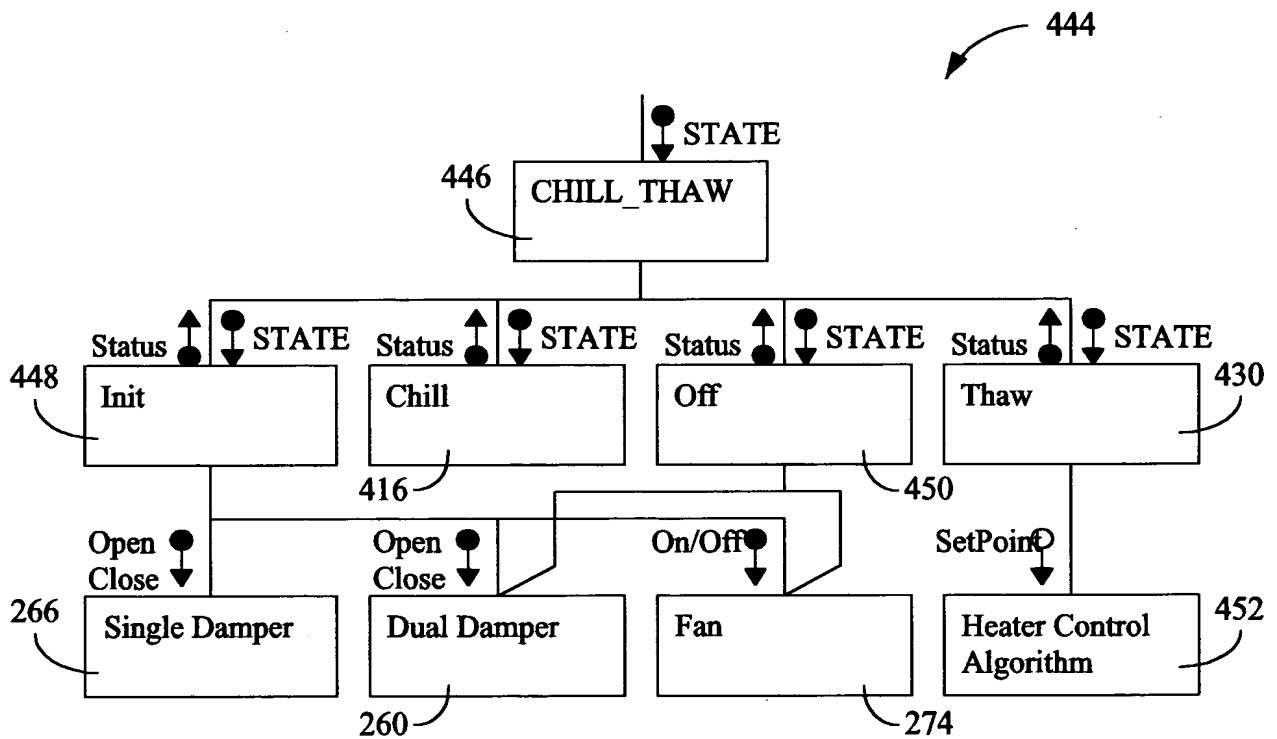
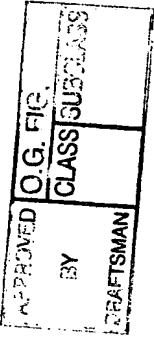


FIG. 14



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← TO
FIG 16A

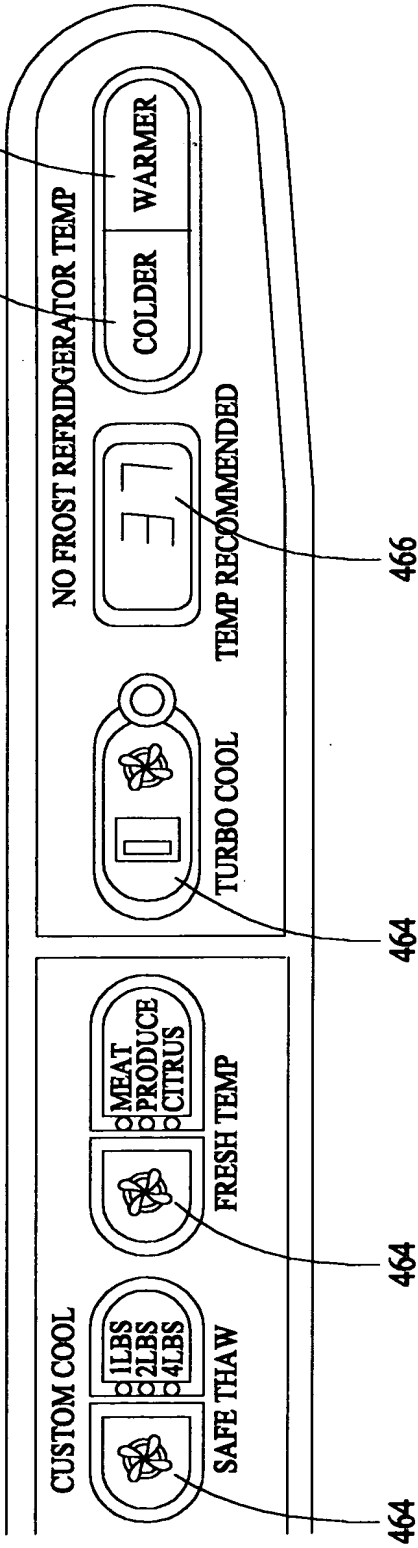
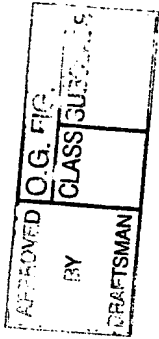


FIG. 16B



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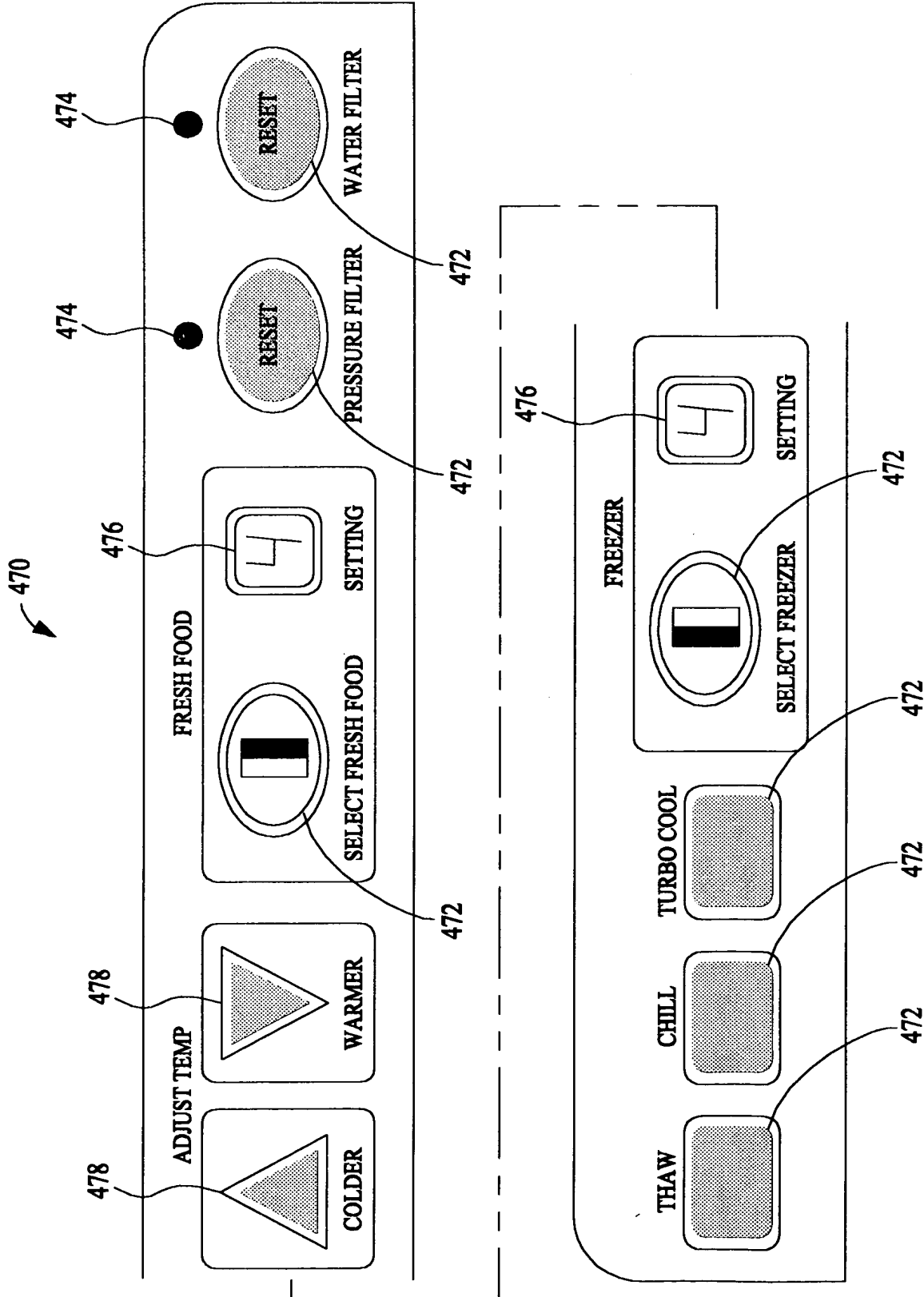


FIG. 17

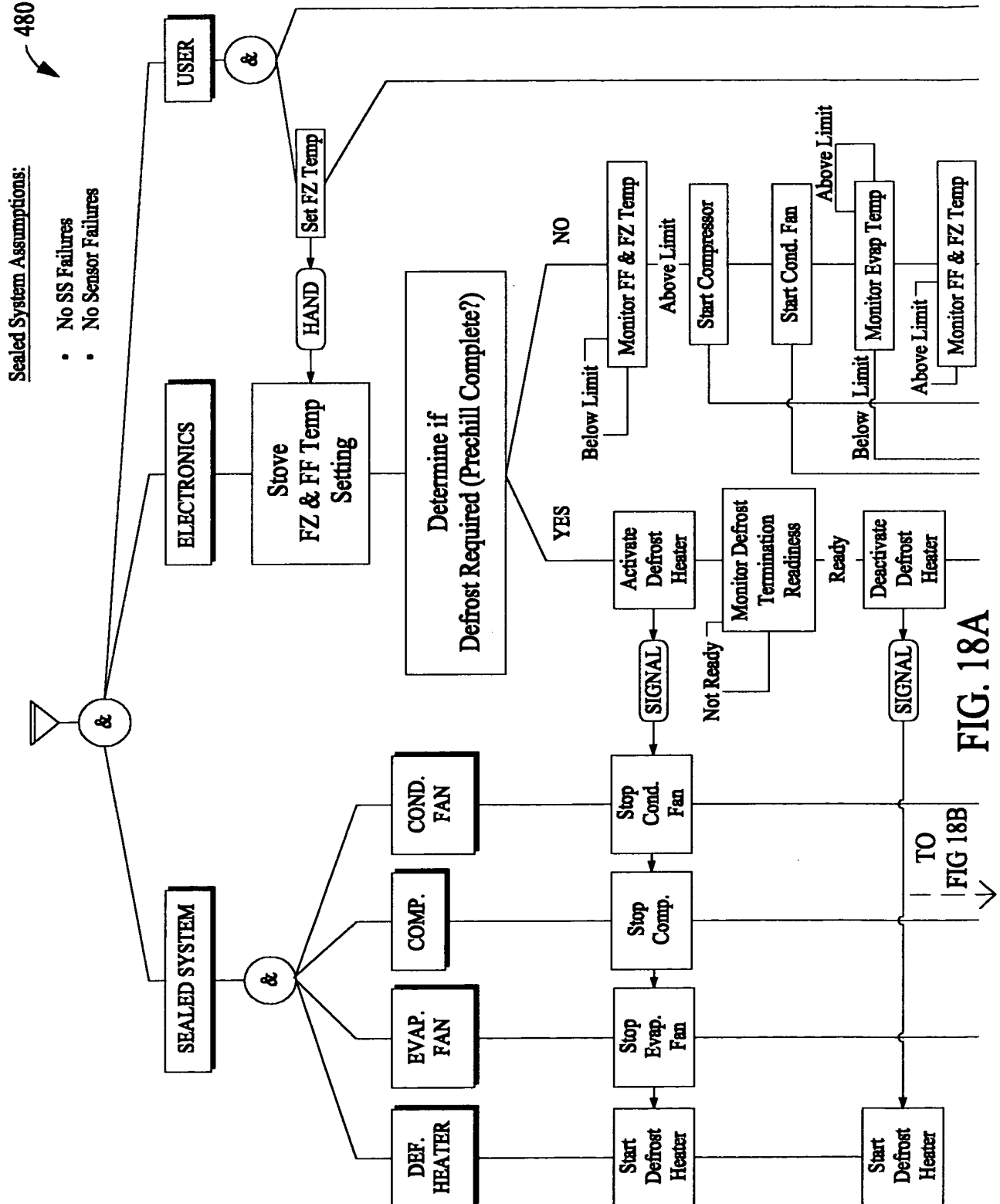
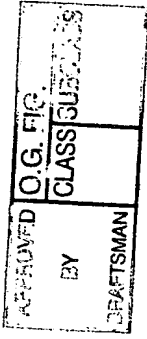
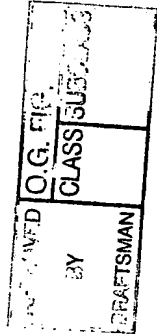
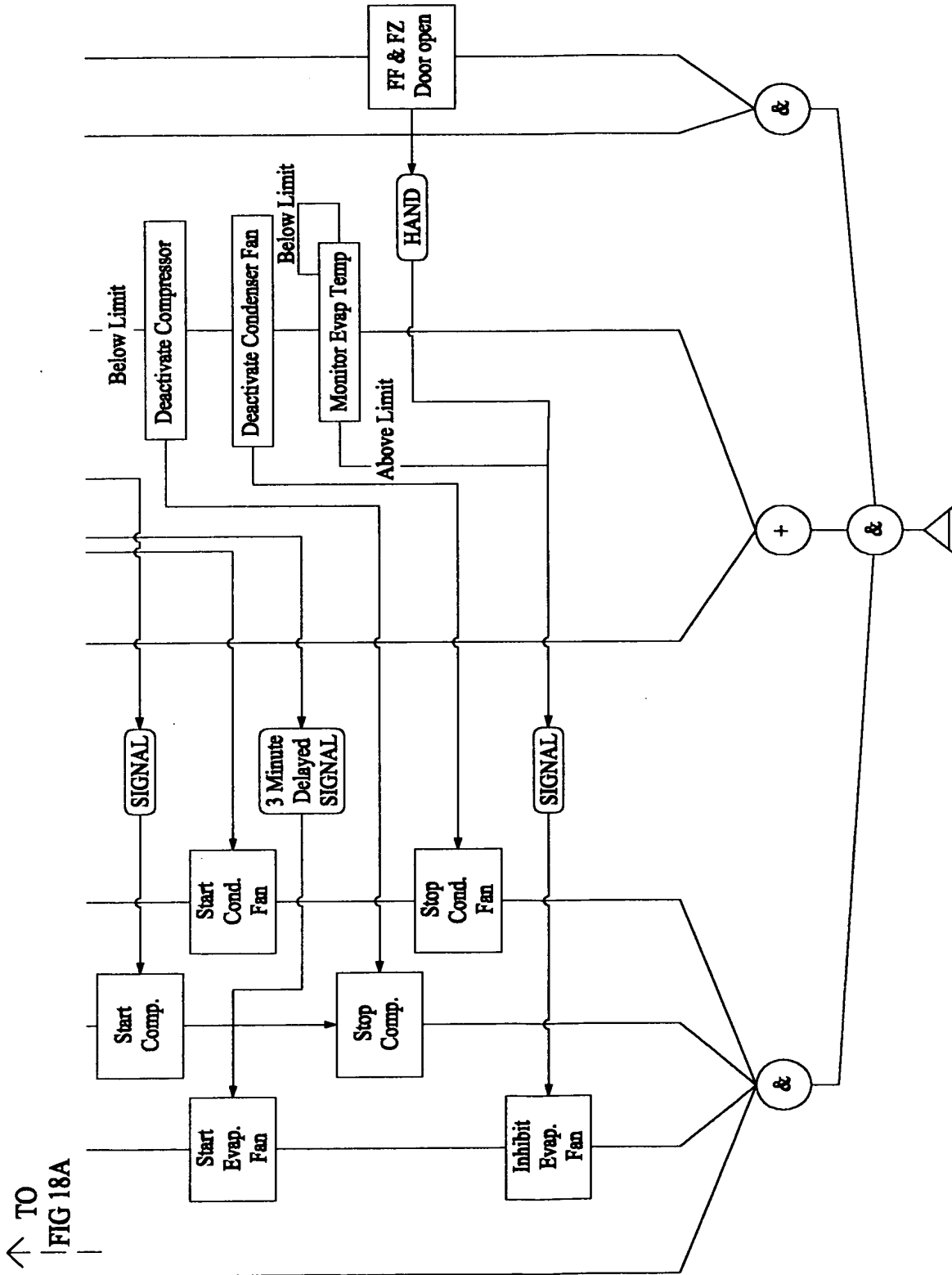


FIG. 18A



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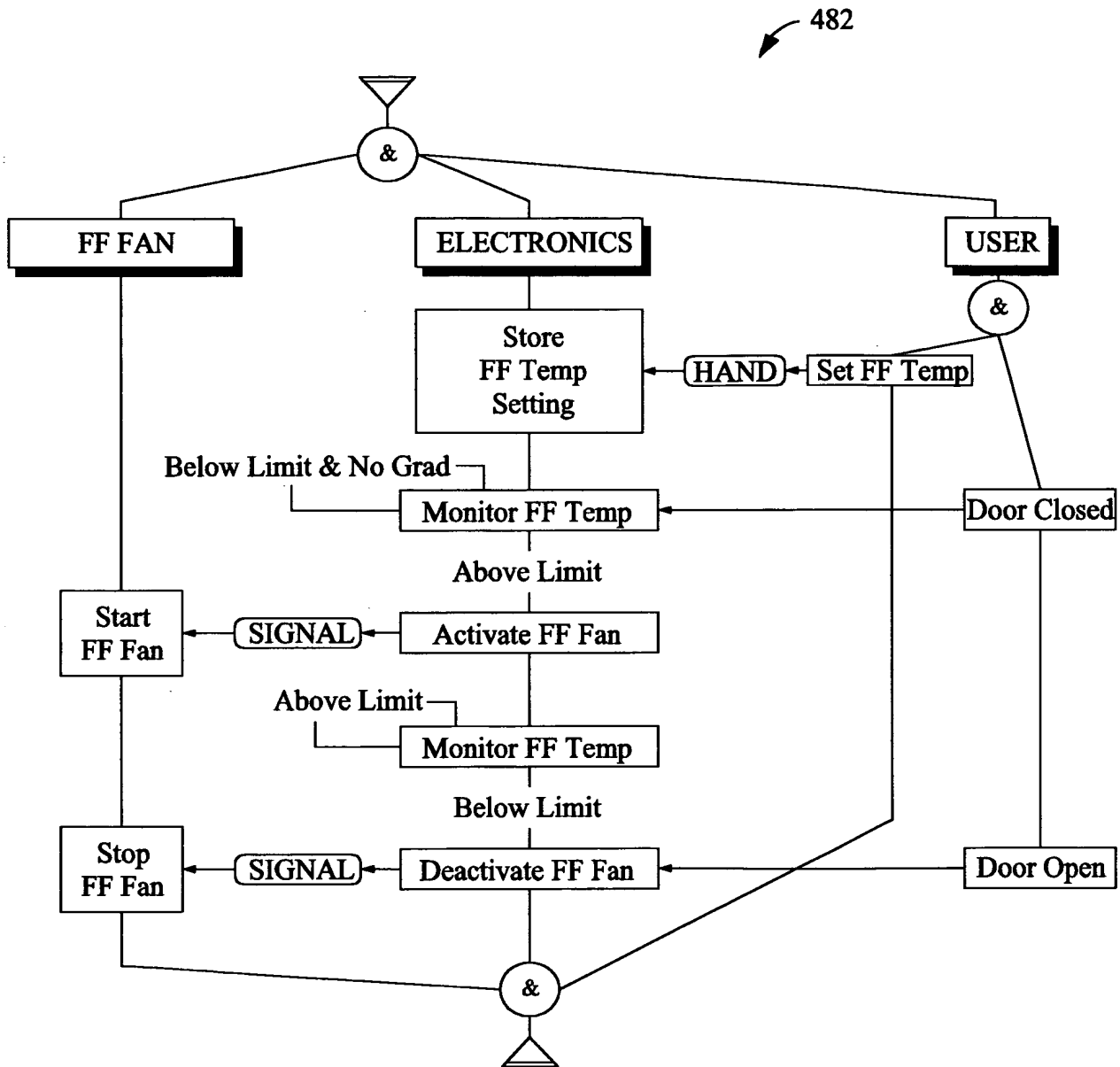


Sealed System Behavior Diagram

FIG. 18B

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 O.G. FIG. CLASS/QUESTIONS

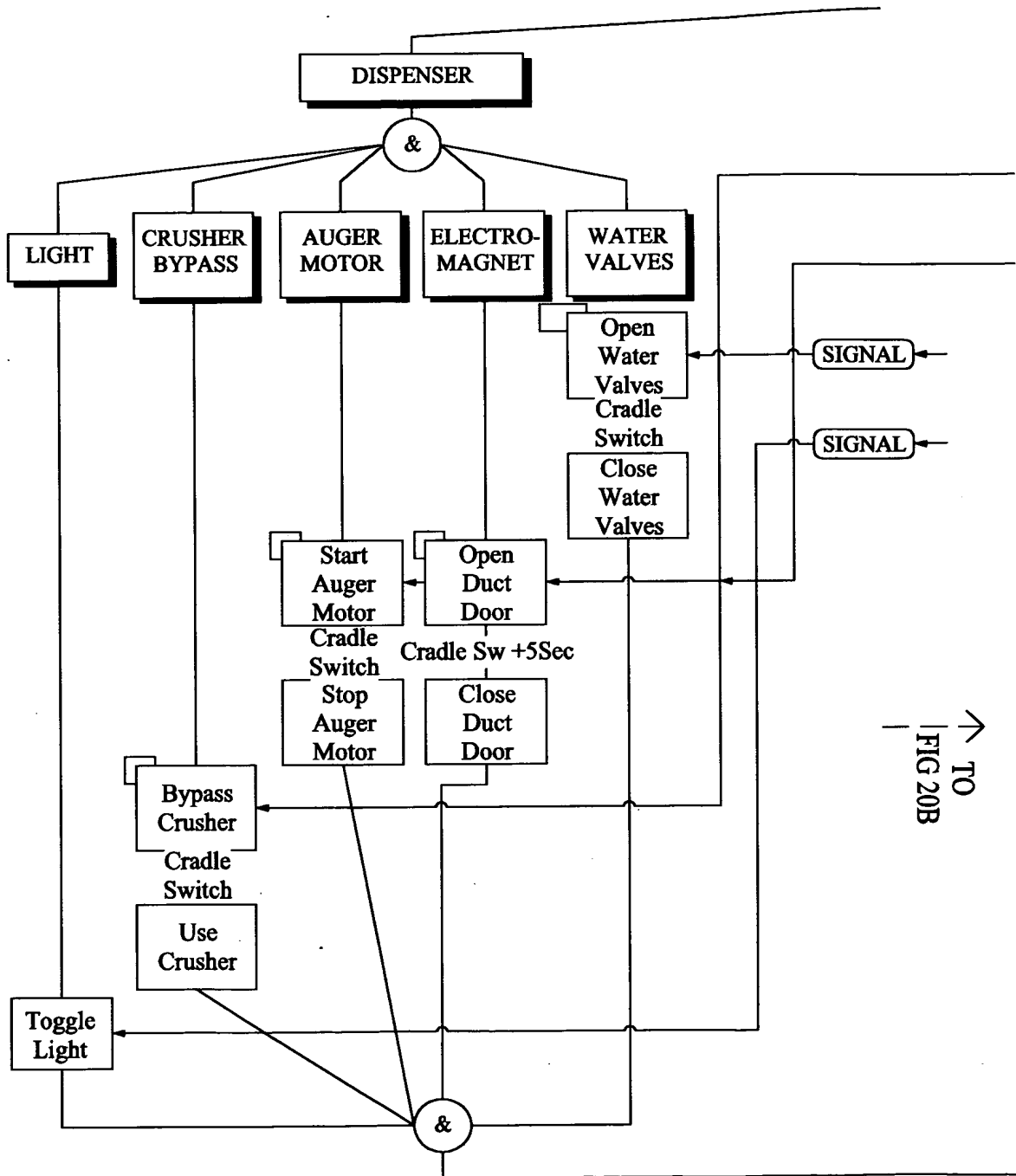
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Fresh Food Fan Behavior Diagram

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 O.G. FIG. CLASS SUBCLASSES

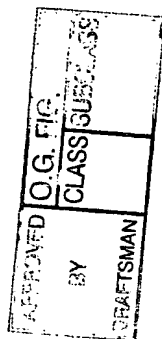
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TO
 FIG 20B

FIG. 20A

Dispenser Behavior



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Dispenser Assumptions:

- No Sensor Failures

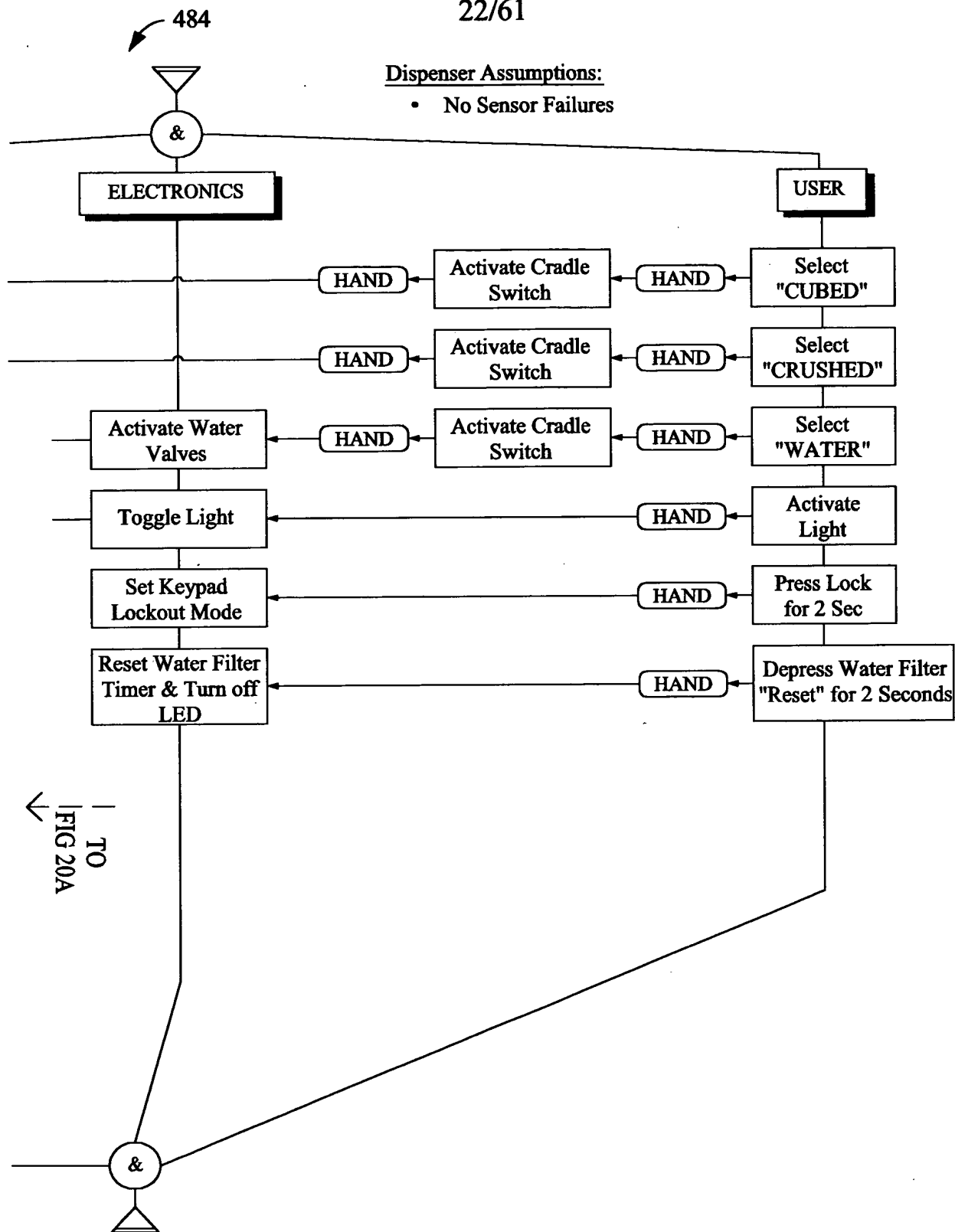


FIG. 20B

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 BY
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 O.G. FIG.
 CLASS SURCLASS

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Dispenser Assumptions:

- No Sensor Failures

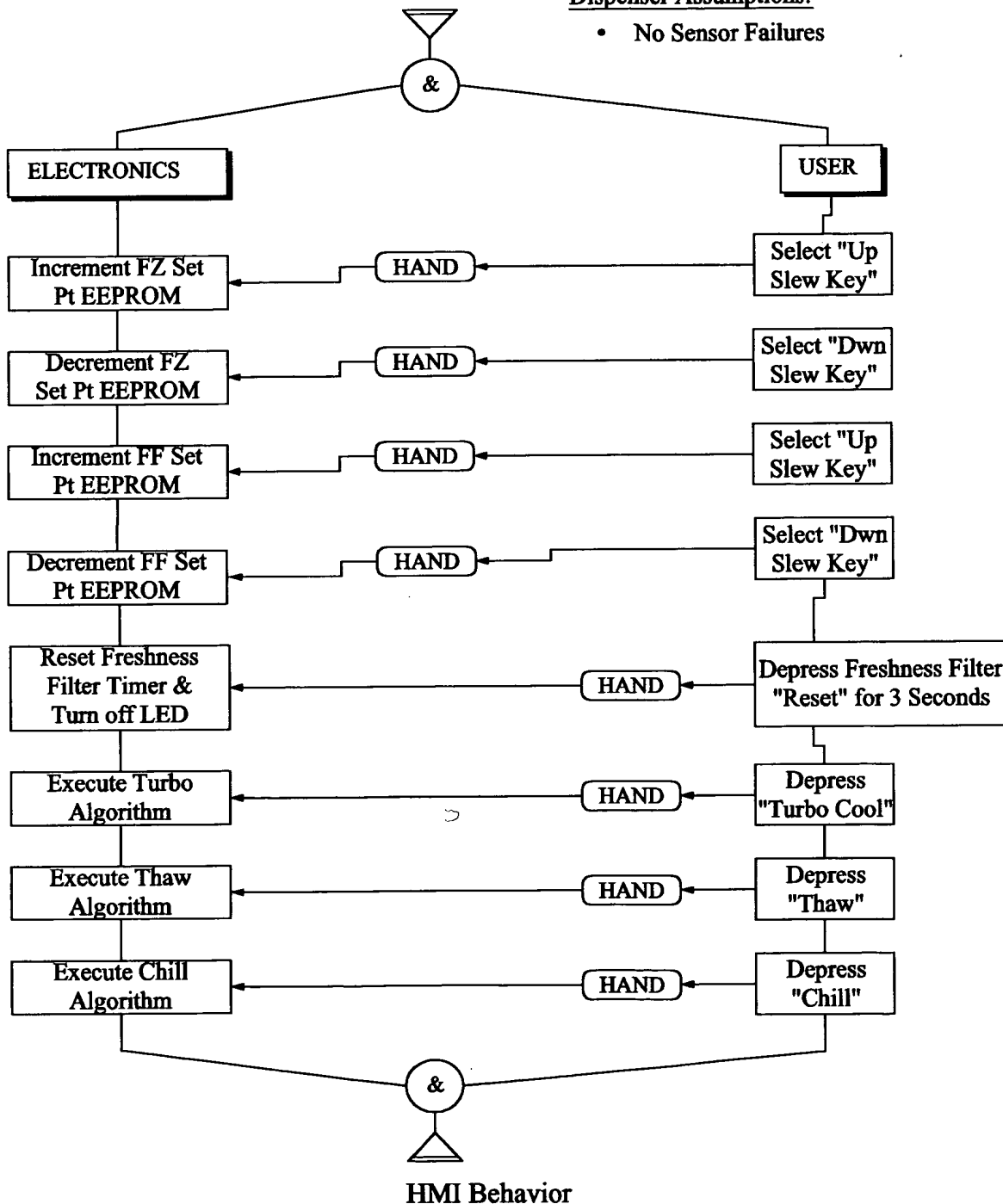


FIG. 21